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no. 173
Index

COUNTY INDEX TO MINERALS OF
CALIFORNIA



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COUNTY INDEX TO MINERALS OF CALIFORNIA

An Index to the Mineral Localities listed in Bulletin 173 of the California
Division of Mines

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Preface

The 1956 edition of Minerals of California (Bulletin 173) is a catalog of mineral species and their important occurrences within the state. Arranged as it is, in alphabetical order, any mineral in the Bulletin is easily found.

However, the first question of many persons interested in mineralogy, and especially those residing in California, concerns the minerals that are found in a particular part of the state. Also, interest is added to the study of mineralogy when it is shown that many species are found within one county.

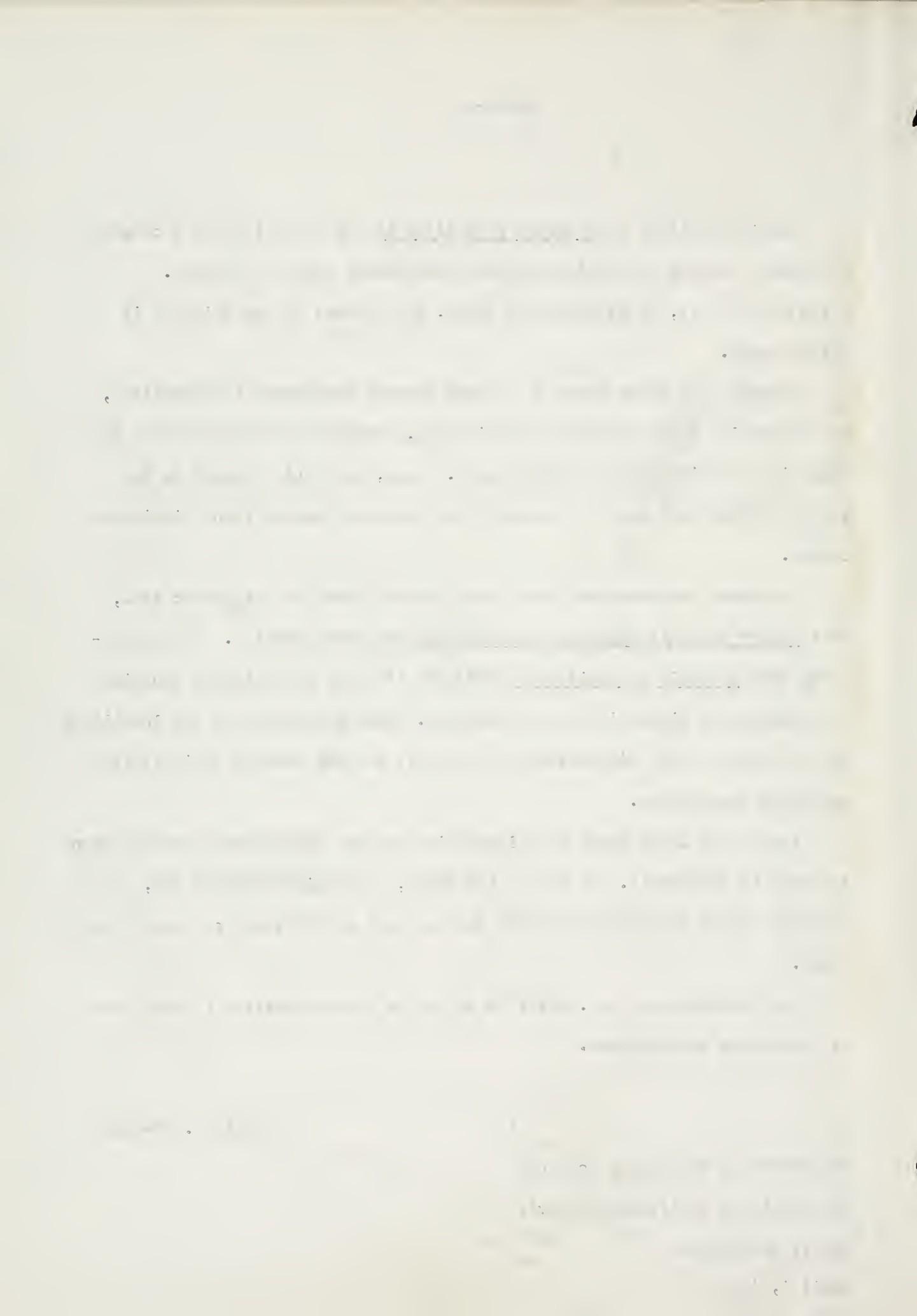
To answer the questions about the minerals found in a specific area, this County Index to Minerals of California has been compiled. It was prepared from Minerals of California (Bulletin 173) and tabulates by counties the occurrences listed in that publication. Also indicated are the localities of the species first discovered in California and the date of their first published description.

The County Index lists 2838 localities for the 523 mineral species known to occur in California. By use of the index, along with Bulletin 173, the descriptions of mineral occurrences for any part of the state can quickly be found.

The assistance of Mrs. Gayle De Martin in the preparation of this index is gratefully acknowledged.

Donald O. Emerson

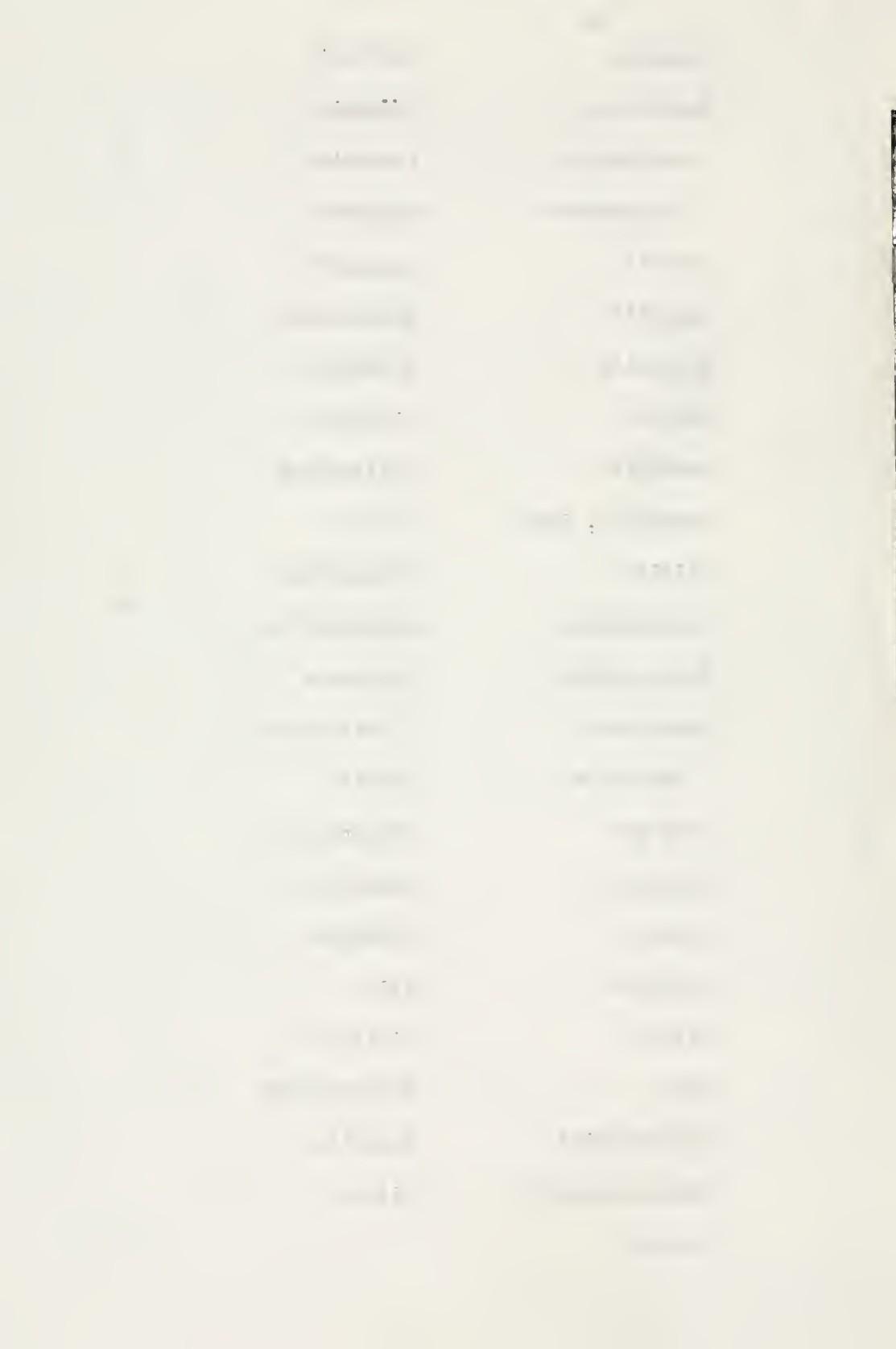
Department of Geological Sciences
University of California at Davis
Davis, California
April 1, 1958



ALAMEDA COUNTY

Alunogen	Kaolinite
Amphiboles	Krohnkite
Actinolite	Lawsonite
Glaucophane	Maghemite
Analcite	Magnesite
Anauxite	Melanterite
Aragonite	Natrolite
Barite	Pisanite
Bementite	Psilomelane
*Boothite, 1903	Pyrite
Calcite	Pyrolusite
Chalcanthite	Pyrophyllite
Chalcopyrite	Pyroxenes
Chlorites	Enstatite
Penninite	Quartz
Chromite	Rhodochrosite
Copiapite	Rhodonite
Copper	Stibnite
Epsomite	Talc
Galena	Vivianite
Gold	Wollastonite
Halotrichite	Zaratite
Hydromagnesite	Zircon
Inesite	

* Species first discovered in a county of California are marked by an asterisk and followed by the date of the first published description.



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ALPINE COUNTY

Andalusite	Potash Alum
Argentite	Proustite
Arsenolite	Pyrargyrite
Arsenopyrite	Pyrite
Barite	Pyrrhotite
Calcite	Quartz
Chalcanthite	Realgar
Chalcocite	Rhodochrosite
Chalcopyrite	Römerite
Chloropal	Rutile
Enargite	Scheelite
Famatinite	Silver
Galena	Sphalerite
Garnet	Stephanite
Halite	Stibnite
Halotrichite	Stromeyerite
Iddingsite	Sulphur
Ilmenite	Tenorite
Lazulite	Tetrahedrite
Melanterite	Tourmaline
Polybasite	Wolframite

AMADOR COUNTY

Amphiboles	Malachite
Tremolite	Marcasite
Anauxite	Melanterite
Ankerite	Mendozite
Apatite	Molybdenite
Arsenopyrite	Psilomelane
Axinite	Pyrophyllite
Cassiterite	Pyrrhotite
Chalcopyrite	Quartz
Chlorites	Chalcedony
Clinochlore	Rhodochrosite
Penninite	Rhodonite
Chromite	Rutile
Copper	Scheelite
Diamond	Serpentine
Dolomite	Sphalerite
Epsomite	Strengite
Galena	Talc
Gold	Tetrahedrite
Graphite	Wollastonite
*Ionite, 1878	Zircon
Kaolinite	
Loellingite	

6

BUTTE COUNTY

Andalusite	Psilomelane
Antimony	Quartz
Axinite	<i>indent ></i> Chalcedony Barite
Bournonite	Rutile
Cassiterite	Spinel
Chlorites	Talc
Prochlorite	Tellurium
Chromite	Topaz
Chrysoberyl	Vesuvianite
Corundum	Vivianite
Epidote	Zircon
Galena	
Garnet	
Glauconite	
Gold	
Gypsum	
Iridosmine	
Iron	
Lead	
Magnetite	

CALAVERAS COUNTY

Allanite	Coloradoite	Malachite
Altaite	Columbite	Marcasite
Alunite	Copper	Magarite
Amphiboles	Coquimbite	Mariposite
Hornblende	Covellite	*Melonite, 1867
Glaucophane	Cuprite	Molybdenite
Ankerite	Diaspore	Nagyagite
Aragonite	Dolomite	Niccolite
Arsenopyrite	Emmonsite	Opal
Azurite	Epidote	Petzite
Barite	Erythrite	Potash Alum
Bementite	Eucairite	Psilomelane
Boothite	Feldspars	Pyrite
Bornite	Albite	Pyrolusite
Brochantite	Orthoclase	Pyromorphite
*Calaverite, 1868	Galena	Pyrrhotite
Calcite	Garnet	Quartz
Cerargyrite	Gold	Chalcedony
Chalcanthite	Graphite	Rhodochrosite
Chalcocite	Gypsum	Rhodonite
Chalcopyrite	Hessite	Scheelite
Chlorites	Jamesonite	Serpentine
Penninite	Kaolinite	Siderite
Chromite	Magnetite	Silver

(Cont. next pg.)

CALAVERAS COUNTY (Cont.)

Smaltite
Sphalerite
Stibnite
Sylvanite
Talc
Tellurium
Tenorite
Tetradymite
Tetrahedrite
Tourmaline
Uraconite
Uraninite
Vesuvianite
Vivianite
Zircon

COLUSA COUNTY

Alunite
Aragonite
Chalcocite
Chalcopyrite
Chromite
Cinnabar
Copper
Cuprite
Datolite
Epidote
Gold
Argentian
Hydromagnesite
Marcasite
Metacinnabar
Pectolite
Prehnite
Psilomelane
Pyrite
Pyrolusite
Stibnite
Sulphur
Tenorite
Thomsonite

10

CONTRA COSTA COUNTY

Amphiboles	Lawsonite
Actinolite	Marcasite
Anthophyllite	Melanterite
Tremolite	Metacinnabar
Crossite	Potash Alum
Anauxite	Psilomelane
Apatite	Pyrolusite
Barite	Pyroxenes
Bornite	Enstatite
Chalcopyrite	Diallage
Chlorites	Diopside
Prochlorite	Römerite
Chromite	Rutile
Cinnabar	Siderotil
Copiapite	Sphene
Epsomite	Stibnite
Feldspars	Zaratite
Albite	
Fluorite	
Halotrichite	

DEL NORTE COUNTY

Arsenopyrite
Awaruite
Bornite
Chalcocite
Chalcopyrite
Chlorites
Penninite
Chromite
Copper
Cuprite
Enargite
Ferrimolybdite
Garnet
Graphite
Iridosmine
Magnesite
Marcasite
Mercury
Monazite
Pyrolusite
Pyrrhotite
Silver
Tenorite
Tetrahedrite
Troilite
Wollastonite
Zircon

EL DORADO COUNTY

Amphiboles	Feldspars	*Roscoelite, 1875
Hornblende	Orthoclase	Scheelite
Anatase	Ferrimolybdite	Serpentine
Ankerite	Galena	Siderite
Antimony	Garnet	Sphalerite
Arsenopyrite	Garnierite	Sphene
Axinite	Gold	Stromeyerite
Azurite	Halotrichite	Talc
Barite	Hessite	Tenorite
Bismuth-Gold	Ilmenite	Topaz
Bornite	Iron	Tourmaline
Brookite	Ludwigite	Variscite
Calaverite	Magnetite	Vesuvianite
Calcite	Mariposite	Wulfenite
Chalcocite	Massicot	Zircon
Chalcopyrite	Molybdenite	
Chlorites	Petzite	
Clinochlore	Prehnite	
Penninite	Pyrite	
Chloropal	Pyrolusite	
Chromite	Pyromorphite	
Copper	Pyrophyllite	
Coquimbite	Pyroxenes	
Cuprite	Diopside	
Enargite	Quartz	
Epidote	Rhodonite	

FRESCO COUNTY

Amphiboles	Cuprite	Diopside
Hornblende	Cuprotungstate	Hedenbergite
Tremolite	Diamond	Acmite-Aegirite
Barkevikite	Diaspore	Pyrrhotite
Analcite	Epidote	Quartz
Anauxite	Ferrimolybdite	Chalcedony
Andalusite	Galena	Rhodonite
Apatite	Garnet <i>gold</i>	Rutile
Aragonite	Argentian	Scheelite
Arsenopyrite	Graphite	Serpentine
Beryl	Gypsum	Silver
Bindheimite	Hematite	Sphalerite
Bismuthinite	Hydromagnesite	Sphene
Bismutite	Ilvaite	Spinel
Bornite	Ludwigite	Tenorite
Brucite	Magnesite	Topaz
Calcite	Magnetite	Tourmaline
Chalcanthite	Molybdenite	Vermiculite
Chalcocite	Natrolite	Vesuvianite
Chalcopyrite	Opal	Wollastonite
Chlorites	Phlogopite	Zircon
Clinochlore	Potash Alum	
Chromite	Psilomelane	
Clinohumite	Pyroxenes	

GLENN COUNTY

Chromite

Copper

Psilomelane

Talc

Volborthite

HUMBOLDT COUNTY

Apatite	Vivianite
Barite	Zircon
Bementite	
Bornite	
Braunite	
Chalcocite	
Chalcopyrite	
Chromite	
Chrysocolla	
Copper	
Cuprite	
Epidote	
Gold	
Hematite	
Iridosmine	
Lawsonite	
Magnesite	
Malachite	
Millerite	
Neotocite	
Psilomelane	
Pyrolusite	
Pyrrhotite	
Rhodochrosite	
Rhodonite	
Scheelite	
Spinel	
Tin	

IMPERIAL COUNTY

Anhydrite	Hematite	Wollastonite
Argentite	Iron	Wulfenite
Arsenopyrite	Jarosite	
Azurite	Kyanite	
Barite	Manganite	
Bloodite	Mariposite	
Calcite	Mirabilite	
Cerussite	Muscovite	
Chalcocite	Niter	
Chalcopyrite	Psilomelane	
Chrysocolla	Pyrolusite	
Claudetite	Pyrophyllite	
Copper	Realgar	
Covellite	Sal Ammoniac	
Cristobalite	Scorodite	
Cuprite	Siderite	
Dumortierite	Soda Niter	
Epsomite	Sphalerite	
Fayalite	Sphene	
Galena	Sulphur	
Garnet	Talc	
Garnierite	Tetrahedrite	
Glauberite	Thenardite	
Graphite	Tourmaline	
Gypsum	Tridymite	
Halloysite	Turquoise	

INYO COUNTY

Adamite	Bismuthinite	Covellite	Argentian
Alunite	Bismutite	Creelite	Greenockite
Alunogen	Borax	Cristobalite	Gypsum
Amphiboles	Bornite	Crocoite	Halloysite
Tremolite	Boulangerite	Cuprite	Hanksite
Analcite	Bournonite	Datolite	Hematite
Anglesite	Brochantite	Dawsonite	Hemimorphite
Anhydrite	Calcite	Dufrenoysite	Howlite
Annabergite	Caledonite	Embolite	Hydroboracite
Apatite	Cassiterite	Epidote	Hydromagnesite
Aragonite	Celestite	Epsomite	Hydrozincite
Argentite	Cerargyrite	Erythrite	Iddingsite
Arsenic	Cerussite	Famatinitie	Ilsemannite
Arsenopyrite	Cervantite	Fayalite	*Inyoite, 1914
Atacamite	Chalcocite	Feldspars	Iron
Aurichalcite	Chalcopyrite	Microcline	Jamesonite
Autunite	Chloritoid	Orthoclase	Jarosite
Axinite	Chloropal	Fluorite	Kyanite
Azurite	Chrysocolla	Galena	Laumontite
Bakerite	Cinnabar	Garnet	Lazulite
Barite	Clinozoisite	Gehlenite	Leadhillite
Bassanite	*Colemanite, 1883	Geocroneite	Lepidolite
Beryl	Copper	Glauberite	Limonite
Bindheimite	Coquimbite	Goethite	Linarite
Bismuth	Coronadite	Gold	Liroconite

(Cont. next pg.)

INYO COUNTY (Cont.)

Litharge	Priceite	Sphalerite	Valentinite
Loellingite	Probertite	Sphene	Vanadinite
Magnesite	Pseudomalachite	Spinel	Vesuvianite
Magnetite	Psilomelane	Staurolite	Vivianite
Malachite	Pyromorphite	Stephanite	Willemite
Marcasite	Pyrophyllite	Stib ⁱ conite	Wolframite
Massicot	Pyroxenes	Stibnite	Wollastonite
Metacinnabar	Clinoferrrosilite	Stilbite	Wulfenite
Metastibnite	Diopside	Stilpnوملاني	Zoisite
*Meyerhofferite, 1914	Pyrrhotite	Stolzite	
Mimetite	Quartz	Stromeyerite	
Minium	Chalcedony	Strontianite	
Molybdenite	Realgar	Sulphur	
Montmorillonite	Sal Ammoniac	Talc	
Natrolite	Scapolite	Tenorite	
Natron	Scheelite	Tetradymite	
Nepheline	Scorodite	Tetrahedrite	
Niter	Senarmontite	Thenardite	
Phlogopite	Sepiolite	Thermonatrite	
Phosgenite	Serpentine	Torbernite	
Pickeringite	Siderite	Tourmaline	
Plumbogummite	Sillimanite	Tridymite	
Plumbojarosite	Silver	Trona	
Potash Alum	Smaltite	Tungstite	
Powellite	Smithsonite	Turgite	
Prehnite	Soda Niter	Ulexite	

KERN COUNTY

Alunite	Chalcopyrite	Ilmenite	*Probertite, 1929
Amphiboles	Chloritoid	Inderite	Proustite
Actinolite	Chloropal	Iron	Psilomelane
Tremolite	Chrysocolla	Jamesonite	Pyrargyrite
Analcite	Cinnabar	Kermesite	Pyroxenes
Andalusite	Clinoptilolite	*Kernite, 1927	Enstatite
Antimony	Coccinitite	Lazulite	Pyrrhotite
Aragonite	Colemanite	Lead	Quartz
Argentite	Cuprite	Lepidomelane	Chalcedony
Arsenopyrite	Cuprotungstate	Litharge	Realgar
Autunite	Dolomite	Ludwigite	Rhodonite
Axinite	Dumortierite	Magnesite	Scapolite
Azurite	Epidote	Magnetite	Scheelite
Barite	Feldspars	Marcasite	Scorodite
Benitoite	Orthoclase	Mariposite	Serpentine
Bismuthinite	Ferrimolybdite	Massicot	Sillimanite
Borax	Fluorite	Mimetite	Silver
Bornite	Galena	Minium	Smithsonite
Bournonite	Garnet	Molybdenite	Sphalerite
Bromyrite	Gibbsite	Montmorillonite	Sphene
Brookite	Graphite	Natrolite	Spodumene
Calcite	Gummite	Niter	Stibconite
Cassiterite	Gypsum	Opal	Stibnite
Celandonite	Hematite	Orpiment	Sulphur
Cerargyrite	Hemimorphite	Phillipsite	Tenorite
Cervantite	Heulandite	Piedmontite	Tetrahedrite
Chalcocite	Howlite	Powellite	Thenardite
	Iddingsite		

(Cont. next pg.)

KENT COUNTY (Cont.)

Thomsonite

Tincalconite

Torbernite

Tourmaline

Turgite

Ulexite

Valentinite

Vanadinite

Vesuvianite

Wolframite

Wollastonite

Wulfenite

Zoisite

KINGS COUNTY

Anapaite

Atacamite

Chromite

Epsomite

Gypsum

Magnesite

Mercury

LAKE COUNTY

Amphiboles	Marcasite	Tridymite
Glaucophane	Melanterite	Trona
Riebeckite	Mercury	Tschermigite
Aragonite	Metacinnabar	Ulexite
Azurite	Millerite	Wollastonite
Borax	Montroydite	Zoisite
Bornite	Northupite	
Chalcocite	Cpal	
Chromite	Orpiment	
Cinnabar	Pectolite	
Copiapite	Pirssonite	
Copper	*Posepnyte, 1877	
Cordierite	Potash Alum	
Curtisite	Psilomelane	
Dolomite	Pyrolusite	
Epsomite	Pyroxenes	
Feldspars	Diopside	
Anorthite	Quartz	
Fluorite	Sassolite	
Gay-Lussite	Serpentine	
Glauberite	Stibnite	
Gold	Sulphur	
Halite	*Teepleite, 1938	
Hematite	Thermonatrite	
Jarosite	Tiemannite	

LOS ANGELES COUNTY

Allanite	Colemanite	Laumontite	Siderite
Amphiboles	Columbite	Lawsonite	Sillimanite
Barkevikite	Copper	Magnesite	Silver
Crossite	Cordierite	Magnetite	Smaltite
Glaucomphane	Corundum	Marcasite	Sphalerite
Analcite	Dolomite	Mariposite	Sphene
Andalusite	Epidote	Melanterite	Stibnite
Annabergite	Epsomite	Minium	Stilbite
Apophyllite	Erythrite	Molybdenite	Talc
Aragonite	Feldspars	Montmorillonite	Tetrahedrite
Argentite	Albite	Natrolite	Thomsonite
Azurite	Labradorite	Opal	Thorite
Bakerite	Fluorite	Pharmacolite	Tourmaline
Barite	Galena	Piedmontite	Tridymite
Beidellite	Garnet	Potash Alum	Ulexite
Bismutite	Glauconite	Prehnite	*Veatchite, 1938
Bornite	Gold	Probertite	Vivianite
Calcite	Graphite	Psilomelane	Zircon
Celestite	*Griffithite, 1917	Ptilolite	Zoisite
Cerargyrite	Gypsum	Pyrrhotite	
Chalcocite	Halotrichite	Quartz	
Chalcopyrite	Heulandite	Chalcedony	
Chlorites	Howlite	Realgar	
Clinochlore	Iddingsite	Rhodonite	
Chromite	Ilmenite	Roscoelite	
Chrysocolla	Iron	Sal Ammoniac	
Clinozoisite	Kyanite	Serpentine	

MADERA COUNTY

Altaite	Garnet
Amphiboles	Gold
Actinolite	Argentian
Tremolite	Ilmenite
Andalusite	Lazulite
Anglesite	Lazurite
Aragonite	Linarite
Axinite	Magnesite
Azurite	Magnetite
Bismuthinite	Molybdenite
Bornite	Phlogopite
Calcite	Piedmontite
Cerussite	Pyrolusite
Chalcocite	Pyrophyllite
Chalcopyrite	Pyrogenes
Chromite	Diopside
Chrysocolla	Pyrrhotite
Cobaltite	Rhodochrosite
Columbite	Rhodonite
Copper	Scheelite
Cubanite	Silver
Epidote	Sphalerite
Feldspars	Talc
Orthoclase	Tourmaline
Ferrimolybdite	Turquoise
Galena	Vivianite
	Wolframite
	Zaratite

20

MARIN COUNTY

Alunogen	Pyrolusite
Amphiboles	Pyroxenes
Actinolite	Jadeite
Nephrite	Pyrrhotite
Tremolite	Quartz
Glaucomophane	Chalcedony
Apophyllite	Rutile
Axinite	Scheelite
Calcite	Sphene
Chalcopyrite	Szaibelyite
Chromite	Wollastonite
Epidote	Zircon
Feldspars	
Albite	
Garnet	
Graphite	
Hydromagnesite	
*Lawsonite, 1895	
Margarite	
Muscovite	
Prehnite	
Psilomelane	
Pumpellyite	

MARIPOSA COUNTY

Alunite	Cuprite	Mercury	Silver
Alunogen	Epidote	Molybdenite	Sphalerite
Andalusite	Epsomite	Pitticite	Sulphur
Ankerite	Erythrite	Platinum	Talc
Argentite	Feldspars	Proustite	Tellurium
Arsenopyrite	Celsian	Pyrargyrite	Tenorite
Azurite	Ferrimolybdenite	Pyrite	Tetrahedrite
Barite	Galena	Pyrolusite	Witherite
Bementite	Garnet	Pyromorphite	
Bornite	Garnierite	Pyrophyllite	
Bromlite	Gersdorffite	Pyrrhotite	
Chalcocite	Gillespite	Quartz	
Chalcopyrite	Goethite	Rhodochrosite	
Chloropal	Gold	Rhodonite	
Chromite	Gold Amalgam	*Sanbornite, 1931	
Chrysocolla	Kobellite	Scheelite	
Cinnabar	Limonite	Scorodite	
Cobaltite	Magnesite	Serpentine	
Copper	Malachite	Siderite	
Cordierite	*Mariposite, 1868	Sillimanite	

22

MENDOCINO COUNTY

Amphiboles	Iridium	Zoisite
Actinolite	Jeffeirisite	
Nephrite	Laumontite	
Crossite	Lawsonite	
Riebeckite	Magnesite	
Azurite	Mercury	
Bementite	Neotocite	
Bornite	Platinum	
Brewsterite	Psilomelane	
Chalcopyrite	Pyrolusite	
Chromite	Pyroxenes	
Chrysocolla	Jadeite	
Cinnabar	Rhodochrosite	
Clinozoisite	Rutile	
Copper	Sphene	
Cuprite	Tenorite	
Edingtonite	Tetrahedrite	
Epidote	Xonotlite	
Garnet	Zaratite	
Graphite	Zircon	
Inesite		↗

MERCED COUNTY

Calcite

Chalcopyrite

Copper

Glauconite

Gypsum

Hydromagnesite

Jarosite

Psilomelane

Soda Niter

Sphalerite

Stibnite

MODOC COUNTY

Azurite

Calcite

Chalcopyrite

Chloropal

Copper

Cristobalite

Cuprite

Feldspars

Labradorite

Iron

Natrolite

Niter

Quartz

Chalcedony

Stilbite

Tourmaline

Water-Ice

MONO COUNTY

Alunite	Calcite	Epidote	Linarite
Amphiboles	Caledonite	Feldspars	Magnetite
Hornblende	Cerargyrite	Albite	Malachite
Analcite	Cerussite	Ferrimolybdite	Marcasite
Andalusite	Cervantite	Fluorite	Massicot
Anglesite	Chabazite	Galena	Mercury
Anhydrite	Chalcanthite	Gay-Lussite	Minium
Apatite	Chalcocite	Geocroneite	Molybdenite
Argentite	Chalcopyrite	Gold	Opal
Arsenopyrite	Chloropal	Argentian	*Partzite, 1867
Augelite	Chrysocolla	Greenockite	Pectolite
Aurichalcite	Cinnabar	Gypsum	Potash Alum
Axinite	Cobaltite	Halloysite	Powellite
Azurite	Copper	Hanksite	Proustite
Barite	Corundum	Hematite	Pyrargyrite
Bismuth	Covellite	Hessite	Pyromorphite
Bismuthinite	Cristobalite	Ilmenite	Pyrophyllite
Bismutite	Cuprite	Jarosite	Pyrrhotite
Bornite	Diaspore	Kermesite	Quartz
Boulangerite	Dioptase	Lazulite	Rutile
Brannerite	Embolite	Lazurite	Scheelite

(Cont. next pg.)

2

MONO COUNTY (Cont.)

Scorzalite

Siderite

Silver

Sphalerite

Sphene

Stephanite

Stibnite

Stromeyerite

Sulphur

Tetrahedrite

Topaz

Tourmaline

Tridymite

Trona

Vanadinite

Vesuvianite

Wollastonite

*Woodhouseite, 1937

Wulfenite

Wurtzite

Zircon

Zoisite

MONTEREY COUNTY

Amphiboles	Magnesite
Nephrite	Malachite
Apatite	Metacinnabar
Aragonite	Molybdenite
Arsenic	Piedmontite
Arsenopyrite	Pisanite
Axinite	Psilomelane
Azurite	Quartz
Calcite	Chalcedony
Cerussite	Rhodonite
Chlorites	Serpentine
Penninite	Spinel
Chromite	Stibnite
Cinnabar	Sulphur
Clinozoisite	Zaratite
Feldspars	
	Orthoclase
Galena	
Garnet	
Glauconite	
Graphite	

*Iddingsite, 1893

NAPA COUNTY

Aragotite	Fibroferrite	Proustite
Argentite	Galena	Psilomelane
Arsenopyrite	Gypsum	Pyrargyrite
Barite	Hohmannite	Pyrolusite
Botryogen	Hydromagnesite	Quartz
Calomel	Jamesonite	Chalcedony
Cassiterite	Magnesio-Copiapite	*Redingtonite, 1890
Cerargyrite	*Knoxvillite, 1890	Serpentine
Chalcocite	Magnesite	Silver
Chalcopyrite	Marcasite	Smaltite
Chromite	Melanterite	Stibnite
Cinnabar	Mendozite	Voltaite
Copiapite	Mercury	Wollastonite
Copper	*Metacinnabar, 1870	
Coquimbite	Millerite	
Crednerite	Mirabilite	
Cuprite	Morenosite	
Curtisite	*Napalite, 1888	
Deweylite	Opal	
Epsomite	Posepnyte	
Erythrite	Potash Alum	

NEVADA COUNTY

	Chrysocolla	
Altaite	Cinnabar	Naumannite
Alunogen	Cobaltite	Petzite
Anatase	Copper	Psilomelane
Andalusite	Covellite	Pyrargyrite
Ankerite	Cristobalite	Pyrite
Argentite	Cuprite	Pyromorphite
Arsenic	Diamond	Pyroxenes
Arsenopyrite	Epidote	Enstatite
Azurite	Ferrimolybdenite	Diallage
Barite	Galena	Pyrrhotite
Bismuth	Garnet	Rhodonite
Bornite	Gibbsite	Scapolite
Calcite	Gold	Scheelite
Chabazite	gold Amalgam	Serpentine
Chalcanthite	Graphite	Smaltite
Chalcocite	Gypsum	Sphalerite
Chalcopyrite	Hessite	Stephanite
Chlorites	Magnesite	Stibnite
Penninite	Magnetite	Tetradymite
Chloropal	Marcasite	Tetrahedrite
Chromite	Mariposite	Tourmaline
*Chromrutile, 1928	Molybdenite	Wollastonite

ORANGE COUNTY

Alunite
Anhydrite
Aragonite
*Arcanite, 1908
Argentite
Barite
Calomel
Cassiterite
Cerussite
Galena
Garnet
Gypsum
Kaolinite
Melanterite
Mercury
Metacinnabar
Muscovite
Piedmontite
Pyrrhotite
Sphalerite
Stibnite
Tiemannite
Tourmaline

PLACER COUNTY

Alunogen	Garnet	Scheelite
Amphiboles	Gold	Serpentine
Tremolite	Argentian	Silver
Aragonite	Hausmannite	Sphalerite
Argentite	Hematite	Spinel
Arsenopyrite	Iridosmine	Stibnite
Axinite	Kaolinite	Tetrahedrite
Azurite	Lead	Tourmaline
Barite	Limonite	Vesuvianite
Cassiterite	Magnesite	Zircon
Cerargyrite	Magnetite	
Chalcanthite	Malachite	
Chalcocite	Mariposite	
Chalcopyrite	Millerite	
Chlorites	Molybdenite	
Clinochlore	Potash Alum	
Penninite	Psilomelane	
Chloropal	Pyrargyrite	
Chromite	Pyrolusite	
Cobaltite	Pyroxenes	
Copper	Diopside	
Coquimbite	Quartz	
Cuprite	Chalcedony	
Feldspars	Rhodochrosite	
Albite	Rhodonite	
Galena	Rutile	

PLUMAS COUNTY

Amphiboles	Albite	Serpentine
Hornblende	Garnet	Siderite
Tremolite	Hausmannite	Silver
Analcite	Hematite	Sphalerite
Anauxite	Heulandite	Sphene
Anglesite	Ilmenite	Stilbite
Ankerite	Laumontite	Strontianite
Apatite	Magnetite	Tetrahedrite
Apophyllite	Malachite	Thomsonite
Azurite	Margarite	Tourmaline
Barite	Millerite	Tridymite
Bornite	Molybdenite	Vesuvianite
Braunite	Natrolite	Wulfenite
Brochantite	Phillipsite	Zircon
Chabazite	Piedmontite	Zoisite
Chalcocite	Platinum	
Chalcopyrite	Prehnite	
Chromite	Psilomelane	
Chrysocolla	Pyrolusite	
Copper	Pyrophyllite	
Corundum	Pyroxenes	
Covellite	Hypertsthene	
Cristobalite	Pyrrhotite	
Cubanite	Quartz	
Cuprite	Chalcedony	
Enargite	Rhodonite	
Epidote	Scheelite	
Feldspars	Scolecite	

RIVERSIDE COUNTY

Afwillite	Boehmite	Cuproplumbite	Gypsum
Allanite	Bornite	Custerite	Hematite
Amarantite	Brucite	Cyrtolite	Hydromagnesite
Amblygonite	Bultfonteinite	Danburite	Hydrotrcilite
Amphiboles	Calcite	Datclite	Kaolinite
Anthophyllite	Cassiterite	Deweylite	Kyanite
Hornblende	Centrallasite	Dumortierite	Laumontite
Tremolite	Cerussite	*Ellestadite, 1937	Lechatelierite
Anatase	Chalcocite	Epidote	Lepidolite
Andalusite	Chalcopyrite	Epistilbite	Loellingite
Anglesite	Chlorites	Feldspars	Ludwigite
Anhydrite	Clinochlore	Microcline	Maghemite
Apatite	Chloropal	Fergusonite	Magnesioferrite
Apophyllite	Chondrodite	Fluorite	Magnesite
Aragonite	Chrysocolla	Forsterite	Magnetite
Argentite	Clinozoisite	*Foshagite, 1925	Marcasite
Arsenopyrite	Colemanite	Galena	Mariposite
Axinite	Columbite	Garnet	*Merwinite, 1921
Azurite	Copiapite	Gehlenite	Microlite
Barite	Copper	Geikielite	Molybdenite
Bementite	Cordierite	Gibbsite	Monazite
Beryl	Corundum	Goethite	Monticellite
Biotite	Cristobalite	Gonnardite	Montmorillonite
Bismuth	Crocoite	Graphite	Nasonite
Bismuthinite	Cuprite	Greenockite	Neotocite

(Cont. next pg.)

-15

RIVERSIDE COUNTY (Cont.)

Niter	Sepiolite	Vermiculite
Okenite	Serendibite	Vesuvianite
Periclase	Serpentine	*Vonsenite, 1920
Perovskite	Siderite	*Wilkeite, 1914
Phillipsite	Smithsonite	Wollastonite
Phlogopite	Soda Niter	Wulfenite
Piedmontite	Sphalerite	Xanthophyllite
*Plazolite, 1920	Sphene	Xenotime
Prehnite	Spinel	Xonotlite
Psilomelane	Spodumene	Yttrocrasite
Ptilolite	Spurrite	Zircon
Pyrite	Stibnite	Zoisite
Pyrolusite	Stilbite	
Pyromorphite	Stromeyerite	
Pyroxenes	Strontianite	
Diallage	Talc	
Diopside	Tetrahedrite	
Pyrrhotite	Thaumasite	
Quartz	Thorite	
Rhodonite	Thorogummite	
Rutile	*Tilleyite, 1933	
Samarskite	Tobermorite	
Scapolite	Tourmaline	
Scawtite	Ulexite	
Scheelite	Vanadinite	

SACRAMENTO COUNTY

Chromite

Galena

Quartz

Sphalerite

Zircon

SAN BENITO COUNTY

Amphiboles	Hydromagnesite	Spinel
Actinolite	Ilmenite	Stibiconite
Barkevikite	Jarosite	Stibnite
Glaucophane	*Joaquinite, 1909	Turquoise
Analcite	Koninckite	Valentinite
Anatase	Lawsonite	Vivianite
Aragonite	Magnesioferrite	Voltaite
Artinite	Magnesite	Zaratite
Barite	Melanterite	
Bementite	Mercury	
*Benitoite, 1907	Metacinnabar	
Celestite	Natrolite	
Chalcocite	Neptunite	
Chalcopyrite	Nesquehonite	
Chlorites	Pectolite	
Penninite	Perovskite	
Chromite	Psilomelane	
Chrysocolla	Pumpellyite	
Cinnabar	Pyrolusite	
Diadochite	Pyroxenes	
Epsomite	Acmite-Aegirite	
Feldspars	Jadeite	
Albite	Quartz	
Garnet	Chalcedony	
Garnierite	Rutile	
Gypsum	Serpentine	

SAN BERNARDINO COUNTY

Adamite	Azurite	Chalcopyrite	Orthoclase
Allanite	*Bakerite, 1903	Chloromagnesite	Ferrimolybdite
Allophane	Barite	Chondrodite	Fibroferrite
Alunite	Bassanite	Chromite	Fluorite
Amblygonite	Bastnaesite	Chrysocolla	Forsterite
Amphiboles	Bayldonite	Cinnabar	Galena
Actinolite	Betafite	Clinoisite	Garnet
Anthrophyllite	Bindheimite	Colemanite	Gay-Lussite
Cummingtonite	Bismuthinite	Cookeite	Glauberite
Hornblende	Bismutite	Copiapite	Graphite
Tremolite	Boracite	Coquimbite	Greenockite
Anatase	Borax	Corundum	Gübelite
Anglesite	Bornite	Cuprite	Gypsum
Anhydrite	Brochantite	Cyrtolite	Halite
Ankerite	Brucite	Darapskite	Halotrichite
Apatite	*Burkeite, 1935	Datolite	*Hanksite, 1884
Aphthitalite	Calciovoltorthite	Descloizite	Hematite
Aragonite	Calcite	Deweylite	Hemimorphite
Argentite	Caledonite	Dioptase	Howlite
Arseniosiderite	Cassiterite	Dolomite	Hydromagnesite
Arsenolite	Celestite	Embolite	Hydrotroilite
Arsenopyrite	Cerargyrite	Epidote	Hydrozincite
Atacamite	Cerussite	Epsomite	Iddingsite
Autunite	Cervantite	Euxenite	Ilmenite
Axinite	Chalcocite	Feldspars	Iron

SAN BERNARDINO COUNTY, (Cont.)

Jarosite	Muscovite	Realgar	Talc
Kaolinite	Nahcolite	Rhodochrosite	Tenorite
*Krausite, 1931	Natron	Rhodonite	Tetrahedrite
Kyanite	Niter	Römerite	Thaumasite
Laumontite	*Northupite, 1895	Rutile	Thenardite
Lazulite	Olivine	*Sahamalite, 1954	*Tincalconite, 1878
Lazurite	Opal	*Schairerite, 1931	Tourmaline
Lepidolite	Parisite	Scheelite	Triplite
Linarite	Pickeringite	*Searlesite, 1914	Trona
Litharge	Piedmontite	Serpentine	Turquoise
Magnesite	*Pirssonite, 1896	Sillimanite	*Tychite, 1905
Magnetite	Polybasite	Silver	Ulexite
Marcasite	Potash Alum	Smithsonite	Uraninite
Massicot	Priceite	Soda Niter	Vanadinite
Melanterite	Proustite	Sphalerite	Vauquelinite
Mendozite	Psilomelane	Sphene	Vesuvianite
Metavoltine	Pyrargyrite	Spinel	Voltaite
Margarite	Pyrolusite	Stephanite	Wulframite
Mimetite	Pyromorphite	Stibiconite	Wulfenite
Minium	Pyrophyllite	Stibnite	Zircon
Mirabilite	Pyrostilpnite	Stilbite	Zoisite
Molybdenite	Pyroxenes	Stromeyerite	
Monazite	Diopside	Strontianite	
Monticellite	Quartz	*Sulphohalite, 1888	
Montmorillonite	Chalcedony	Sulphur	

45

SAN DIEGO COUNTY

Alabandite	Chalcocite	Lazulite	Purpurite
Allanite	Chalcopyrite	Lepidolite	Pyrite
Amblygonite	Columbite	Lithiophilite	Pyrochlore
Amphiboles	Cookeite	Loellingsite	Pyrophyllite
Tremolite	Corundum	Ludlamite	Pyroxenes
Crossite	Dumortierite	Malachite	Hypersthene
Glaucophane	Epidote	Manganite	Acmite-Aegirite
Andalusite	Erythrite	Marcasite	Pyrrhotite
Apatite	Feldspars	Mariposite	Quartz
Aragonite	Albite	Metastrengite	Chalcedony
Arsenopyrite	Ferrimolybdite	Microlite	Rhodonite
Axinite	Fluorite	Molybdenite	Rutile
Azurite	Galena	Mcnazite	*Salmonsite, 1912
Bavenite	Garnet.	Montmorillonite	Scheelite
Bertrandite	Glauconite	Morenosite	Scorodite
Beryl	Graphite	Muscovite	*Sicklerite, 1912
Beyerite	Halléysite	Pentlandite	Siderite
Biotite	Helvite	Petalite	Sillimanite
Bismite	Heulandite	Petzite	Sphalerite
Bismuth	Hureaulite	Phenakite	Sphene
Bismuthinite	*Palaite, 1912	Piedmontite	Spinel
Bismutite	Hydromagnesite	Pollucite	Spodumene
Calcite	Jezekite	Potash Alum	*Stewartite, 1912
Cassiterite	Kyanite	Prehnite	Stibiotantalite
Celestite	Laumontite	Psilomelane	Stilbite
Cerargyrite	Lawsonite	Pucherite	Strengite

4

SAN DIEGO COUNTY, (Cont.)

Strontianite

Tenorite

Tephroite

Topaz

Tourmaline

Tridymite

Triphylite

Triplite

Vermiculite

Vesuvianite

Violarite

Wardite

Wollastonite

Zinnwaldite

Zircon

Zoisite

SAN FRANCISCO COUNTY

Apophyllite	Chalcedony
Aragonite	Serpentine
Barite	Taranakite
Brucite	Wollastonite
Calcite	Xonotlite
Chromite	
Curtisite	
Datolite	
Gypsum	
Gyrolite	
Hydromagnesite	
Magnesite	
Mercury	
Pectolite	
Pyroxenes	
Enstatite	
Diallage	
Diopside	
Quartz	

SAN JOAQUIN COUNTY

Bementite

Gypsum

Hausmannite

Inesite

Psilomelane

Pyrolusite

Rhodochrosite

67

SAN LUIS OBISPO COUNTY

Allophane	Magnesite	Tridymite
Alunogen	Mercury	Turquoise
Analcite	Metacinnabar	Wulfenite
Barite	Millerite	Zaratite
Blödite	Mirabilite	Zircon
Cervantite	Natrolite	
Chalcopyrite	Neotocite	
Chromite	Prehnite	
Cinnabar	Psilomelane	
Clinoptilolite	Pyrolusite	
Copper	Pyrophyllite	
Cubanite	Pyroxenes	
Epidote	Jadeite	
Erythrite	Quartz	
Gypsum	Chalcedony	
Hausmannite	Spinel	
Hematite	Stibiconite	
Hydromagnesite	Stibnite	
Lawsonite	Thenardite	

SAN MATEO COUNTY

Analcite

Apophyllite

Calomel

Celadonite

Chromite

Cinnabar

Eglestonite

Galena

Hydromagnesite

Lawsonite

Margarite

Mercury

Montroydite

Pumpellyite

Quartz

Chalcedony

Silver

Sphalerite

Sphene

Vivianite

Zircon

SANTA BARBARA COUNTY

Allanite	Opal
Amphiboles	Pectolite
Nephrite	Potash Alum
Analcite	Sal Ammoniac
Apatite	Stilbite
Azurite	Stilpnomelane
Barite	Sulphur
Cassiterite	Vivianite
Chalcopyrite	Wollastonite
Chromite	Xonotlite
Cinnabar	Zircon
Coccinite	
Copper	
Epsomite	
Gilsonite	
Gypsum	
Hydromagnesite	
Lawsonite	
Magnesite	

SANTA CLARA COUNTY

Alabandite	Epsomite	Pyrochroite
Alleghanyite	Fluorite	Pyrolusite
Amphiboles	Ganophyllite	Pyrrhotite
Glaucomphane	Garnet	Quartz
Riebeckite	Gold	Chalcedony
Apatite	Greenockite	Rhodochrosite
Apophyllite	Guadalcazarite	Rutile
*Aragotite, 1873	Gyrolite	Senarmontite
Arsenopyrite	Hausmannite	Siderite
Azurite	Hydromagnesite	Sphene
Barite	Jarosite	*Stibioferrite, 1873
Bementite	*Kempite, 1924	Stibnite
Bornite	Lawsonite	Stilpnomelane
Braunite	Magnesite	Tephroite
Cassiterite	Malachite	Tiemannite
Chalcopyrite	Margarite	Valentinite
Chromite	Mercury	Zoisite
Chrysocolla	Metacinnabar	
Cinnabar	Philinite	
Deweylite	Psilomelane	
Dolomite	Pyrite	

SANTA CRUZ COUNTY

Amphiboles

Tremolite

Arsenopyrite

Calcite

Chromite

Frankeite

Ilmenite

Magnetite

Melanterite

Meneghinite

Stannite

Zircon

54

SHASTA COUNTY

Alunite	Copper	Melanterite	Sulphur
Alunogen	Covellite	Mesolite	Talc
Amphiboles	Cristobalite	Molybdenite	Tellurium
Anthophyllite	Cuprite	Nagyagite	Tenorite
Analcite	Ferrimolybdite	Natrolite	Tetrahedrite
Anhydrite	Galena	Olivine	Tourmaline
Argentite	Garnet	Pickeringite	Tridymite
Arsenopyrite	Gold	Proustite	Ulexite
Azurite	Goslarite	Psilomelane	Vivianite
Barite	Greenockite	Pyrargyrite	Voltaite
Bechilite	Halotrichite	Pyrite	Zaratite
Bornite	Hematite	Pyromorphite	Zinc
Calcite	Hessite	Pyroxenes	Zircon
Cerargyrite	Ilsemannite	Hedenbergite	
Cerussite	Ilvaite	Pyrrhotite	
Chabazite	Iridosmine	Quartz	
Chalcanthite	Kaolinite	Rhodonite	
Chalcocite	Lepidocrocite	Scheelite	
Chalcopyrite	Limonite	Serpentine	
Chlorites	Maghemite	Silver	
Penninite	Magnetite	Sphalerite	
Chromite	Manganite	Stephanite	

SIERRA COUNTY

Amphiboles	Molybdenite
Tremolite	Muscovite
Apatite	Natrolite
Arsenopyrite	Piedmontite
Beidellite	Pyrrhotite
Bismuth	Quartz
Chalcocite	Scheelite
Chalcopyrite	Scorodite
Chlorites	Serpentine
Chlorite	Sphalerite
Chromite	Stibnite
Copper	Stromeyerite
Corundum	Talc
Covellite	Tetrahedrite
Ferrimolybdite	Wollastonite
Galena	
Gold	
Hematite	
Jamescnite	
Magnetite	
Mariposite	

SISKIYOU COUNTY

Amphiboles	Cristobalite	Rhodochrosite
Actinolite	Cuprite	Rhodonite
Hornblende	Epidote	Serpentine
Nephrite	Erythrite	Smaltite
Aragonite	Fayalite	Sphalerite
Arsenopyrite	Galena	Spinel
Axinite	Garnet	Sulphur
Azurite	Gold	Talc
Barite	Gypsum	Tetradymite
	Hessite	
Borax	Iddingsite	Tetrahedrite
Bornite	Mercury	Vesuvianite
Calaverite	Molybdenite	Water-Ice
Cassiterite	Opal	Wollastonite
Chalcocite	Oripiment	Zaratite
Chalcopyrite	Petzite	Zircon
Chlorites	Psilomelane	
Penninite	Pyroxenes	
Chloritoid	Hypersthene	
Chromite	Pyrrhotite	
Cinnabar	Quartz	
Copper	Chalcedony	
Covellite	Realgar	

SOLANO COUNTY

Aragonite

Chromite

Epsomite

Gypsum

Marcasite

Metacinnabar

SONOMA COUNTY

Aenigmatite	Hematite	Pumpellyite
Alunite	Hisingerite	Pyrite
Alunogen	Hydromagnesite	Pyrolusite
Amphiboles	Ilvaite	Pyroxenes
Tremolite	Kaolinite	Actinolite-Aegirite
Glaucophane	Lawsonite	Jadeite
Riebeckite	Magnesite	Quartz
Aragonite	Margarite	Chalcedony
Azurite	Mascagnite	Realgar
Boussingaultite	Melanterite	Rhodochrosite
Cassiterite	Mercury	Sphene
Cerussite	Metacinnabar	Stilbite
Chalcopyrite	Montroydite	Sulphur
Chromite	Napalite	Tiemannite
Cinnabar	Natrolite	Tridymite
Clinozoisite	Opal	Tschermigite
*Curtisite, 1930	Orpiment	Voltaite
Epidote	Pectolite	Zoisite
Epsomite	Pentahydrite	
Garnet	Pickeringite	
Graphite	Potash Alum	
Halotrichite	Psilomelane	

57

STANISLAUS COUNTY

Bementite

Braunite

Chromite

Cinnabar

Garnet

Gypsum

Hausmannite

Hydromagnesite

Inesite

Magnesite

Psilomelane

Pyrolusite

Rhodochrosite

SUTTER COUNTY

None listed

TENAMIA COUNTY

Aragonite

Chalcopyrite

Chlorites

Penninite

Chromite

Copper

Cristobalite

Galena

Garnet

Opal

Pectolite

Sassolite

Wollastonite

TRINITY COUNTY

Amphiboles	Copiapite	Morenosite	Sphene
Anthophyllite	Copper	Muscovite	Stibnite
Nephrite	Cuprite	Nagyagite	Sylvanite
Tremolite	Diamond	Orpiment	Szomolnokite
Analcite	Epidote	Petzite	Talc
Arsenolite	Ferrimolybdite	Pisanite	Wollastonite
Arsenopyrite	Fibroferrite	Platiniridium	Zircon
Azurite	Galena	Platinum	
Barite	Garnet	Psilomelane	
Bementite	Goslarite	Pumpellyite	
Beryl	Halotrichite	Pyroxenes	
Bieberite	Hausmannite	Hypersthene	
Bornite	Iddingsite	Jadeite	
Braunite	Inesite	Pyrrhotite	
Casserite	Iridosmine	Realgar	
Chalcanthite	Iron	Rhodochrosite	
Chalcocite	Limonite	Rhodonite	
Chalcopyrite	Massicot	Römerite	
Chromite	Melanterite	Scheelite	
Cinnabar	Mercury	Serpentine	
Claudetite	Molybdenite	Sphalerite	

TULARE COUNTY

Allanite	Galena	Smithsonite
Amphiboles	Garnet	Soda Niter
Hornblende	Gehlenite	Sphalerite
Nephrite	Gold	Spinel
Tremolite	Argentian	Stibnite
Riebeckite	Graphite	Stilbite
Andalusite	Gypsum	Tourmaline
Annabergite	Jefferisite	Vesuvianite
Aragonite	Limonite	Wolframite
Arsenopyrite	Linarite	Wollastonite
Axinite	Magnesite	Zoisite
Azurite	Minium	
Barite	Molybdenite	
Bornite	Opal	
Calcite	Powellite	
Cerussite	Psilomelane	
Chalcopyrite	Pyrargyrite	
Chromite	Pyromorphite	
Chrysocolla	Pyrrhotite	
Copper	Quartz	
Cordierite	Chalcedony	
Epidote	Rhodonite	
Feldspars	Scapolite	
Oligoclase	Scheelite	
Fluorite	Serpentine	

TUOLUMNE COUNTY

Allanite	Ferrimolybdite	Tetrahedrite
Altaite	Galena	Tin
Amphiboles	Garnet	Tourmaline
Tremolite	Gold	Tridymite
Riebeckite	Graphite	
Anauxite	Hessite	
Ankerite	Iridosmine	
Aragonite	Kyanite	
Argentite	Magnesite	
Arsenopyrite	Malachite	
Azurite	Marcasite	
Bementite	Mariposite	
Berthierite	Molybdenite	
Beryl	Petzite	
Bornite	Pitticite	
Calaverite	Psilomelane	
Calcite	Pyrite	
Chalcocite	Pyrrhotite	
Chalcopyrite	Rhodochrosite	
Chromite	Rhodonite	
Coloradoite	Scheelite	
Covellite	Scorodite	
Cristobalite	Sillimanite	
Epidote	Sphalerite	
Erythrite	Sylvanite	
Feldspars	Tellurium	
Microcline	Tetradymite	

VENTURA COUNTY

Amber
Analcite
Azurite
Boussingaultite
Chalcopyrite
Colemanite
Cuprite
Galena
Garnet
Gypsum
Howlite
Hydroboracite
Marcasite
Mesolite
Millerite
Molybdenite
Montmorillonite
Muscovite
Natrolite
Pentlandite
Pyrrhotite
Sulphur

YOLO COUNTY

Aragotite

Cinnabar

Fluorite

Marcasite

Metacinnabar

Sulphur

YUBA COUNTY

Amphiboles
Tremolite
Arsenopyrite
Chalcopyrite
Chlorites
Penninite
Chromite
Cuprite
Ferrimolybdite
Garnet
Molybdenite
Pilinite
Rhodonite
Scheelite
Sylvanite
Talc
Vivianite
Zircon

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